

AMENDMENTS TO THE CLAIMS

Claim 1 (Original) A phosphor composed of a single inorganic material, wherein when an excitation light composed of visible light is irradiated thereon, the phosphor emits a fluorescence of complimentary color with respect to a hue of the excitation light, and a portion of the excitation light transmits through the phosphor.

Claim 2 (Original) The phosphor according to claim 1 having a panel shape.

Claim 3 (Original) The phosphor according to claim 2 of which a wall thickness is between 0.1mm to 2mm.

Claim 4 (Currently Amended) The phosphor according to ~~any of claims 1 to 3~~ claim 1, wherein the excitation light composed of visible light is a light of which center wavelength is between 430 to 490nm, and the fluorescence is a light of which center wavelength is between 530 to 590nm.

Claim 5 (Currently Amended) The phosphor according to ~~any of claims 1 to 4~~ claim 1 composed of a crystallized glass including Ce^{3+} and formed by precipitating a garnet crystal.

Claim 6 (Original) The phosphor according to claim 5, wherein the garnet crystal is YAG crystal or YAG crystalline solid solution.

Claim 7 (Original) The phosphor according to claim 5 including 0.01 to 5 mol% of Ce_2O_3 .

Claim 8 (Currently Amended) The phosphor according to claim 1 ~~any of claims 1 to 3~~ composed of a crystallized glass including 10 to 60mol% of $\text{SiO}_2 + \text{B}_2\text{O}_3$, 15 to 50mol% of $\text{Al}_2\text{O}_3 + \text{GeO}_2 + \text{Ga}_2\text{O}_3$, 5 to 30mol% of $\text{Y}_2\text{O}_3 + \text{Gd}_2\text{O}_3$, 0 to 25mol% of Li_2O , 0 to 15mol% of $\text{TiO}_2 + \text{ZrO}_2$, and 0.01 to 5mol% of Ce_2O_3 .

Claim 9 (Original) The phosphor according to claim 8 including essentially no TiO_2 and ZrO_2 .

Claim 10 (Currently Amended) The phosphor according to claim 1 ~~any of claims 1 to 3~~ composed of a crystallized glass including 10 to 50mol% of SiO_2 , 15 to 45mol% of Al_2O_3 , 5 to 30mol% of Y_2O_3 , 0 to 15mol% of GeO_2 , 0 to 20mol% of Gd_2O_3 , 0 to 15mol% of Li_2O , 0 to 30mol% of $\text{CaO} + \text{MgO} + \text{Sc}_2\text{O}_3$, and 0.01 to 5mol% of Ce_2O_3 .

Claim 11 (Currently Amended) A light-emitting diode utilizing the phosphor according to ~~any of claims 1 to 3~~ claim 1.

Claim 12 (Currently Amended) A light-emitting diode comprising:
a stem including a cathode lead terminal and an anode lead terminal,
a light-emitting diode chip connected to the anode lead terminal,
a metal wire connecting the cathode lead terminal and the light-emitting diode chip,
a housing vessel that is fixed such that the stem and the light-emitting diode chip are air-tightly sealed, and of which a window portion is formed above the light-emitting diode chip, and
the phosphor according to claim 1 ~~any of claims 1 to 3~~ attached to the window portion of the housing vessel.

Claim 13 (Original) A crystallized glass including Ce^{3+} and formed by precipitating a garnet crystal.

Claim 14 (Original) The crystallized glass according to claim 13, wherein the garnet crystal is YAG crystal or YAG crystalline solid solution.

Claim 15 (Original) The crystallized glass according to claim 13 including 0.01 to 5 mol% of Ce_2O_3 .

Claim 16 (Currently Amended) The crystallized glass according to claim 13 ~~any of claims 13 to 15~~ including 10 to 60mol% of $\text{SiO}_2 + \text{B}_2\text{O}_3$, 15 to 50mol% of $\text{Al}_2\text{O}_3 + \text{GeO}_2 + \text{Ga}_2\text{O}_3$, 5 to 30mol% of $\text{Y}_2\text{O}_3 + \text{Gd}_2\text{O}_3$, 0 to 25mol% of Li_2O , 0 to 15mol% of $\text{TiO}_2 + \text{ZrO}_2$, and 0.01 to 5mol% of Ce_2O_3 .

Claim 17 (Original) The crystallized glass according to claim 16 including essentially no TiO_2 and ZrO_2 .

Claim 18 (Currently Amended) The crystallized glass according to claim 13 ~~any of claims 13 to 15~~ including 10 to 50mol% of SiO_2 , 15 to 45mol% of Al_2O_3 , 5 to 30mol% of Y_2O_3 , 0 to 15mol% of GeO_2 , 0 to 20mol% of Gd_2O_3 , 0 to 15mol% of Li_2O , 0 to 30mol% of $\text{CaO} + \text{MgO} + \text{Sc}_2\text{O}_3$, and 0.01 to 5mol% of Ce_2O_3 .